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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/825,707	04/04/2001	Simon Peter Valentine	01-394	3102

7590 11/30/2004

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EXAMINER

EL CHANTI, HUSSEIN A

ART UNIT

PAPER NUMBER

2157

DATE MAILED: 11/30/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/825,707	VALENTINE ET AL.	
	Examiner	Art Unit	
	Hussein A El-chanti	2157	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 04 April 2001.
 2a) This action is FINAL. 2b) This action is non-final.
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 1-16 is/are pending in the application.
 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
 5) Claim(s) _____ is/are allowed.
 6) Claim(s) 1-16 is/are rejected.
 7) Claim(s) _____ is/are objected to.
 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.
 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413)
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Date. _____ .
3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date <u>1/02</u> .	5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)
	6) <input type="checkbox"/> Other: _____

DETAILED ACTION

1. This action is responsive to application filed on April 4, 2001. Claims 1-16 are pending examination.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-16 are rejected under 35 U.S.C. 102(e) as being anticipated by Kracht, U.S. Patent No. 6,516,345.

As to claim 1, Kracht teaches a method of discovery and display of one or more phones on a network, said method including the steps of

discovering a phone by means of a first protocol (see col. 6 lines 51-col. 7 lines 5 and col. 18 lines 53-67),

using discovered information to insert an icon representing the phone in the relevant position in a display of the topology of the network (see col. 6 lines 51-col. 7 lines 5), and

discovering other devices on the network using a different protocol (see col. 7 lines 20-30).

As to claim 2, Kracht teaches a method as claimed in claim 1 in which the phone is discovered using HTML, and the other devices are discovered using SNMP (see col. 6 lines 51-col. 7 lines 5 and lines 20-30).

As to claim 3, Kracht teaches a method as claimed in claim 1 in which the display comprises a map of the network (see fig. 8 and its corresponding illustration).

As to claim 4, Kracht teaches a method as claimed in claim 3 in which, on the map, the icon phone is connected to the other parts of the network by a line which represents the line connecting the telephone to the network (see fig. 8 and its corresponding illustration).

As to claim 5, Kracht teaches a method as claimed in claim 1 in which the display includes, adjacent said phone icon, further information relating to the phone (see col. 14 lines 40-67).

As to claim 6, Kracht teaches a computer program on a computer readable medium or embodied in a carrier wave for use in discovery and display of one or more phones on a network, said computer program comprising: a program step for establishing the topology of the network including said one or more phones, said program step comprising a program step for establishing the topology of the network using a first protocol, and a program step for establishing the topology of said one or more phones using a different protocol, and a program step for using this information to insert an icon representing a relevant phone into a display of the topology of the network (see col. 6-col. 7).

As to claim 7, Kracht teaches a computer program as claimed in claim 6 in which the first protocol is SNMP and the second protocol is HTML (see col. 6 lines 51-col. 7 lines 5 and lines 20-30).

As to claim 8, Kracht teaches a computer program as claimed in claim 6 including a program step for providing the topology in a form which may be displayed on a visual display unit as a map of the network (see fig. 8 and its corresponding illustration).

As to claim 9, Kracht teaches a computer program as claimed in claim 6 including a program step whereby on the map, the icon is connected to other parts of the network by a line which represents the line connecting the telephone to the network (see fig. 8 and its corresponding illustration).

As to claim 10, Kracht teaches a computer program as claimed in claim 6 including a program step for establishing further information relating to the phone, and a program step for providing said information in a form whereby this information may be displayed on the visual display unit (see col. 14 lines 40-67).

As to claim 11, Kracht teaches a computer program on a computer readable medium or embodied in a carrier wave for use in discovery of one or more phones on a network, said computer program comprising: a program step to use SNMP to discover the network, including managed devices, a telephone controller and establishing MAC addresses of unmanaged phones; a program step to change from SNMP to HTTP; a program step to load a web page from the telephone controller; a program step to parse

the web page of the telephone controller to establish correspondence between particular Ethernet phones and MAC addresses; a program step to find ports with MAC address of phones; a program step to determine, in respect of a port on which a phone MAC address present, if there is only a single MAC address; if yes, a program step to retrieve and display a phone icon on a network map and relevant details connected directly to the port; if no, a program step to determine if there are two MAC addresses and if one is a phone; if yes, a program step to provide an icon of a device with a second MAC address connected to the network via the phone; if no, a program step to display an unmanaged aggregator display cloud (see col. 6-col. 7 and col. 13 lines 13-60).

As to claim 12, Kracht teaches apparatus for use in the discovery of one or more phones on a network, comprising means to discover the network, including means to discover one or more phones and the other devices on the network using different protocols and means to use the information discovered to insert an icon representing a phone in the relevant position in a display of the topology of the network (see fig. 8 and its corresponding illustration).

As to claim 13, Kracht teaches apparatus as claimed in claim 12 in which different protocols comprise HTML and SNMP (see col. 6 lines 51-col. 7 lines 5 and lines 20-30)..

As to claim 14, Kracht teaches apparatus as claimed in claim 12 in which the display comprises a map of the network (see fig. 8 and its corresponding illustration).

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As to claim 15, Kracht teaches apparatus as claimed in claim 14 in which, on the map, the icon is connected to the other parts of the network by a line which represents the line connecting the telephone to the network (see fig. 8 and its corresponding illustration).

As to claim 16, Kracht teaches apparatus as claimed in claim 12 in which the display includes, adjacent said phone icon, further information relating to the phone (see col. 6 lines 51-col. 7 lines 5 and lines 20-30).

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

- Auditing networks by Tonelli et al., U.S. Patent No. 6,229,540
- Topology information automatic configuration method and its topology information automatic configuration system by Hada et al., U.S. Patent No. 6,665,713

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hussein A El-chanti whose telephone number is (571)272-3999. The examiner can normally be reached on Mon-Fri 8:30-5:00.

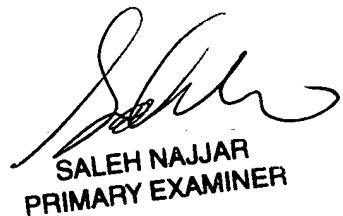
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ario Etienne can be reached on (571)272-4001. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Hussein El-chanti

Nov. 24, 2004



SALEH NAJJAR
PRIMARY EXAMINER